

Summary of Mailing List Comments

- Prioritization of characteristics presented at the last BOF
 - main energy seemed to be behind the issues found in wireless networks
 - links with high BER
 - links with inconsistent BER
 - links with outages
 - thin networks
 - topics other than wireless were made, but did not generate a lot of discussion
 - some researchy topics were discussed

Proposed Charter

- Consider the impact of link characteristics on upper layer protocols.
- Scope:
 - identification of mechanisms and interactions
 - well understood and less well understood mitigations
 - discussion of possible protocol changes
 - possible re-chartering to handle these

Proposed Charter (cont.)

- Documents:
 - Considerations for Link Layer Designers
 - Capabilities, limitations and pitfalls of PEPs (spoofing, proxies, whatever!)
 - Pointer documents for various communities
 - wireless

Proposed Charter (cont.)

- Documents (cont.):
 - Considerations for a particular problematic link-layer characteristic (or group of closely related characteristics).
 - significantly low bandwidth networks
 - lousy links
 - high BER
 - inconsistent BER
 - outages (?)

Charter Comments

- On including PEPs:
 - very commercial
 - could be a rathole
 - which active network elements are to be considered and which are not?

Charter Comments (cont.)

- Suggestion: Several BOFs, rather than a WG:
 - highly focused
 - better chance of getting good output
- Thoughts:
 - more consistency across documents if we have a WG, rather than a disjoint set of BOFs

Charter Comments (cont.)

- Why not a TCP Over Wireless effort?
- Thoughts:
 - by keeping things more generic, we have the chance to serve more than just the wireless community
 - (e.g. wireless folks aren't the only ones with lousy links (e.g., satellite, long haul fiber, modem banks, etc.))
 - provides a generic framework for later additions, if energy for certain problems becomes available
 - by providing short “pointer documents” for communities, we provide direction to that community without losing the genericness of the documents

Charter Comments (cont.)

- Others???

Milestones

- May 1999
 - Draft on significantly low bandwidth links.
 - Draft on lossy links.
- June 1999
 - Draft of link-layer design considerations document.
 - Draft of PEP capabilities and limitations document.
- Oct 1999
 - Draft of "TCP Over Wireless" overview/pointer document.

Milestones (cont.)

- Nov 1999
 - Document on low bandwidth links to IESG for publication as Informational.
 - Document on high BER links to IESG for publication as Informational.
 - Document on link-layer design considerations submitted for publication as BCP.
 - Document on PEP capabilities and limitations submitted for publication as Informational.
 - TCP Over Wireless document to the IESG.
 - Possible rechartering of WG to address modifications to IETF protocols.